PROJECT REFERENCE	NO.	SHEET NO.
B-5717		UC−3B
DESIGNED BY: DMP		
DRAWN BY: DMP		TH CARO
CHECKED BY: DMP		CAROLLINA ROFESSION VI
APPROVED BY:	711-1 Doc	SEAL
REVISED:	-6	signed 26457 = = = = = = = = = = = = = = = = = = =
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION	2/26/2	TY CONSTRUCTION
UTILITIES ENGINEERING SEC. PHONE: (919)707-6690 FAX: (919)250-4151	UTILI	TY CONSTRUCTION PLANS ONLY

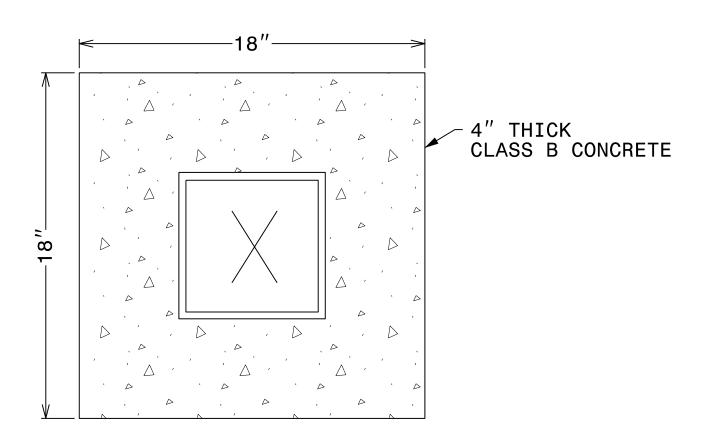
UTILITY CONSTRUCTION

DOCUMENT NOT CONSIDERED FINAL **UNLESS ALL SIGNATURES COMPLETED**

TRENCH DETAIL BEDDING - FOUNDATION CONDITIONING FABRIC AS REQUIRED -FOUNDATION CONDITIONING AS REQUIRED PLACE FOUNDATION CONDITIONING MATERIAL BELOW BEDDING IF REQUIRED, AS DIRECTED BY ENGINEER. PIPE BEDDED IN SELECT MATERIAL, CLASS II (TYPE 1) OR CLASS III. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL IF APPROVED BY THE ENGINEER, OR SELECT MATERIAL. ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROXIMATELY 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.

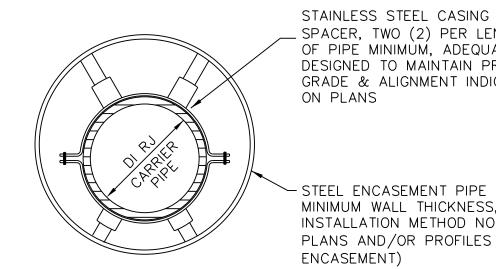
DEPARTMENT OF TRANSPORTATION.

MAXIMUM TRENCH WIDTH AT TOP OF PIPE				
NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	NOMINAL PIPE SIZE (INCHES)	TRENCH WIDTH (INCHES)	
4	28	20	44	
6	30	24	48	
8	32	30	54	
10	34	36	60	
12	36	42	66	
14	38	48	72	
16	40	54	78	
18	42	60	84	
	· -			



CONCRETE COLLAR FOR VALVE BOX

NOTES:
1. PROVIDE CONCRETE COLLARS FOR ALL VALVE BOXES
THAT ARE NOT IN PAVED AREAS.
2. VALVE BOX LIDS SHALL HAVE THE LETTER "W" FOR
WATER VALVES, OR "S" FOR SEWER VALVES.



SPACER, TWO (2) PER LENGTH OF PIPE MINIMUM, ADEQUATELY DESIGNED TO MAINTAIN PROPER GRADE & ALIGNMENT INDICATED

→ STEEL ENCASEMENT PIPE (DIAMETER, MINIMUM WALL THICKNESS, AND INSTALLATION METHOD NOTED ON PLANS AND/OR PROFILES FOR EACH ENCASEMENT)

NOTES:
1. ENCLOSE ENDS WITH BRICK MASONRY. 2. PROVIDE 2" WEEP HOLE AT LOW END OF ENCASEMENT. 3. SEE 2018 NCDOT STANDARD SPECIFICATIONS, DIVISION 15, SECTIONS 1540 AND 1550, FOR OTHER REQUIREMENTS.

TYPICAL ENCASEMENT PIPE SECTION